



# Cafiza Espresso Machine Cleaning Powder

## Safety Data Sheet

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758.

Issue date: 5/18/2021 Revision date: 11/3/2022

Version: 1.1

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Mixture  
Trade name : Cafiza Espresso Machine Cleaning Powder

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### 1.2.1. Relevant identified uses

Main use category : Industrial use  
Use of the substance/mixture : Cleaner

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

##### Manufacturer

Urnex Brands, LLC  
700 Executive Blvd.  
10523 Elmsford, NY - USA  
T +1-914-963-2042 - F +1-914-963-2145  
[info@urnex.com](mailto:info@urnex.com)

##### Distributor

Urnex Brands, LLC  
Olympisch Stadion 24-28  
1076 DE Amsterdam - The Netherlands  
T +31.20.854.6030  
[info@urnex.com](mailto:info@urnex.com)

#### 1.4. Emergency telephone number

Emergency number : International (Infotrac): +1 (352) 323-3500

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Eye Irrit. 2 H319

Full text of hazard classes, H- and EUH-statements: see section 16

##### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) : Warning  
Hazardous ingredients : Tetrasodium pyrophosphate  
Hazard statements (CLP) : H319 - Causes serious eye irritation.  
Precautionary statements (CLP) : P280 - Wear eye protection, protective gloves.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 - If eye irritation persists: Get medical advice/attention.

#### 2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII  
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII  
Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

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### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Trisodium phosphate dodecahydrate	(CAS-No.) 10101-89-0 (EC-No.) 600-151-8	30 – 40	Skin Irrit. 2, H315 Eye Irrit. 2, H319
Sodium carbonate peroxide	(CAS-No.) 15630-89-4 (EC-No.) 239-707-6	20 – 30	Ox. Sol. 2, H272 Acute Tox. 4 (Oral), H302 (ATE=1034 mg/kg bodyweight) Eye Dam. 1, H318
Alkylaryl sulfonate	(CAS-No.) 68081-81-2 (EC-No.) 268-356-1	1 – 5	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335
Tetrasodium pyrophosphate substance with national workplace exposure limit(s) (GB)	(CAS-No.) 7722-88-5 (EC-No.) 231-767-1 (REACH-no) 01-2119430450-54-0026	1 – 5	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
Alcohols, C9-11, ethoxylated	(CAS-No.) 68439-46-3 (EC-No.) 614-482-0	1 – 5	Acute Tox. 4 (Oral), H302 (ATE=1400 mg/kg bodyweight) Eye Dam. 1, H318
Sodium hydroxide substance with national workplace exposure limit(s) (GB)	(CAS-No.) 1310-73-2 (EC-No.) 215-185-5 (EC Index-No.) 011-002-00-6	< 1	Acute Tox. 4 (Oral), H302 (ATE=325 mg/kg bodyweight) Acute Tox. 4 (Dermal), H312 (ATE=1350 mg/kg bodyweight) Skin Corr. 1A, H314 Eye Dam. 1, H318

#### Specific concentration limits:

Name	Product identifier	Specific concentration limits
Sodium carbonate peroxide	(CAS-No.) 15630-89-4 (EC-No.) 239-707-6	( 7.5 ≤ C < 25) Eye Irrit. 2, H319 ( 25 ≤ C < 100) Eye Dam. 1, H318
Sodium hydroxide	(CAS-No.) 1310-73-2 (EC-No.) 215-185-5 (EC Index-No.) 011-002-00-6	( 0.5 ≤ C < 2) Skin Irrit. 2, H315 ( 0.5 ≤ C < 2) Eye Irrit. 2, H319 ( 2 ≤ C < 5) Skin Corr. 1B, H314 ( 5 ≤ C < 100) Skin Corr. 1A, H314

Full text of H- and EUH-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

- First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
- First-aid measures after skin contact : If skin irritation occurs: Wash skin with plenty of water. Obtain medical attention if irritation persists.
- First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- First-aid measures after ingestion : Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

### 4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/effects after inhalation : May cause respiratory irritation. May cause irritation to the respiratory tract.
- Symptoms/effects after skin contact : May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.
- Symptoms/effects after eye contact : Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
- Symptoms/effects after ingestion : May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

### 4.3. Indication of any immediate medical attention and special treatment needed

Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

- Suitable extinguishing media : Carbon dioxide (CO<sub>2</sub>). Powder. Water spray. For large fire: Alcohol resistant foam.
- Unsuitable extinguishing media : Do not use water jet.

### 5.2. Special hazards arising from the substance or mixture

- Fire hazard : Products of combustion may include, and are not limited to: oxides of carbon.

### 5.3. Advice for firefighters

- Firefighting instructions : Use water spray to cool exposed surfaces.

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Protection during firefighting : Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

##### 6.1.1. For non-emergency personnel

No additional information available

##### 6.1.2. For emergency responders

Protective equipment : For further information refer to section 8: "Exposure controls/personal protection".

#### 6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters.

#### 6.3. Methods and material for containment and cleaning up

For containment : Contain spill, then place in a suitable container. Minimize dust generation. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

Methods for cleaning up : Vacuum or sweep material and place in a disposal container. Provide ventilation.

#### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection".

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin and eyes. Avoid generating and breathing dust. Do not swallow. Good housekeeping is important to prevent accumulation of dust. Handle and open container with care. When using do not eat, drink or smoke. Use only outdoors or in a well-ventilated area.

Hygiene measures : Wash contaminated clothing before reuse. Always wash hands after handling the product.

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep out of the reach of children. Keep container tightly closed. Store in a dry, cool and well-ventilated place.

#### 7.3. Specific end use(s)

Not available.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Tetrasodium pyrophosphate (7722-88-5)

##### United Kingdom - Occupational Exposure Limits

WEL TWA (OEL TWA) [1]	5 mg/m <sup>3</sup>
WEL STEL (OEL STEL)	15 mg/m <sup>3</sup> (calculated)

##### Sodium hydroxide (1310-73-2)

##### United Kingdom - Occupational Exposure Limits

WEL STEL (OEL STEL)	2 mg/m <sup>3</sup>
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#### 8.2. Exposure controls

##### Appropriate engineering controls:

Ensure good ventilation of the work station. Provide readily accessible eye wash stations and safety showers.

##### Hand protection:

Wear suitable gloves

##### Eye protection:

Safety eyewear complying with an approved standard such as the European Standard EN166 should be used when a risk assessment indicates this is necessary to avoid exposure to dusts.

##### Skin and body protection:

Wear suitable protective clothing

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### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

### Environmental exposure controls:

Avoid release to the environment.

### Other information:

Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Granules. Powder
Colour	: White
Odour	: None
Odour threshold	: No data available
pH	: 11.25
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability	: Not flammable
Vapour pressure	: No data available
Relative vapour density at 20°C	: No data available
Relative density	: 1.025
Solubility	: No data available
Partition coefficient n-octanol/water	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: Not oxidizing.
Explosive limits	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No dangerous reactions known under normal conditions of use.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Heat. Incompatible materials.

### 10.5. Incompatible materials

Strong oxidizing agents.

### 10.6. Hazardous decomposition products

May include, and are not limited to: oxides of carbon.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified.

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Acute toxicity (dermal) : Not classified.

Acute toxicity (inhalation) : Not classified.

<b>Cafiza Espresso Machine Cleaning Powder</b>	
LD50 oral rat	3489.592 mg/kg
<b>Sodium carbonate peroxide (15630-89-4)</b>	
LD50 oral rat	1034 mg/kg
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit, Guideline: other:EPA Guideline
<b>Tetrasodium pyrophosphate (7722-88-5)</b>	
LD50 oral rat	1000 – 3000 mg/kg
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal)), Remarks on results: other:
LD50 dermal rabbit	> 2000 mg/kg
<b>Alcohols, C9-11, ethoxylated (68439-46-3)</b>	
LD50 oral rat	1400 mg/kg
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 inhalation rat	> 1.6 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Remarks on results: other:
<b>Sodium hydroxide (1310-73-2)</b>	
LD50 oral rat	325 mg/kg
LD50 dermal rabbit	1350 mg/kg
<b>Trisodium phosphate dodecahydrate (10101-89-0)</b>	
LD50 oral rat	7400 mg/kg

Skin corrosion/irritation : Not classified.

pH: 11.25

Additional information : On basis of test data

Serious eye damage/irritation : Causes serious eye irritation.

pH: 11.25

Additional information : On basis of test data (IVIS = 46.57%)

Respiratory or skin sensitisation : Not classified.

Additional information : Based on available data, the classification criteria are not met.

Germ cell mutagenicity : Not classified.

Additional information : Based on available data, the classification criteria are not met.

Carcinogenicity : Not classified.

Additional information : Based on available data, the classification criteria are not met.

Reproductive toxicity : Not classified.

Additional information : Based on available data, the classification criteria are not met.

STOT-single exposure : Not classified.

Additional information : Based on available data, the classification criteria are not met.

STOT-repeated exposure : Not classified.

Additional information : Based on available data, the classification criteria are not met.

Aspiration hazard : Not classified.

Additional information : Based on available data, the classification criteria are not met.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : Not applicable.

Hazardous to the aquatic environment, short-term (acute) : Not classified.

Hazardous to the aquatic environment, long-term (chronic) : Not classified.

<b>Sodium carbonate peroxide (15630-89-4)</b>	
LC50 - Fish [1]	70.7 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 - Crustacea [1]	4.9 mg/l Test organisms (species): Daphnia pulex
<b>Tetrasodium pyrophosphate (7722-88-5)</b>	
LC50 - Fish [1]	> 100 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 - Crustacea [1]	> 100 mg/l Test organisms (species): Daphnia magna

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<b>Tetrasodium pyrophosphate (7722-88-5)</b>	
EC50 72h - Algae [1]	> 100 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
<b>Alcohols, C9-11, ethoxylated (68439-46-3)</b>	
LC50 - Fish [1]	5 – 7 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 - Crustacea [1]	2.5 mg/l Test organisms (species): Daphnia magna
EC50 96h - Algae [1]	1.4 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
<b>Sodium hydroxide (1310-73-2)</b>	
LC50 - Fish [1]	45.4 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 - Crustacea [1]	40 mg/l

### 12.2. Persistence and degradability

<b>Cafiza Espresso Machine Cleaning Powder</b>	
Persistence and degradability	Not established.

### 12.3. Bioaccumulative potential

<b>Cafiza Espresso Machine Cleaning Powder</b>	
Bioaccumulative potential	Not established.
<b>Sodium carbonate peroxide (15630-89-4)</b>	
BCF - Fish [1]	(no bioaccumulation)

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

<b>Cafiza Espresso Machine Cleaning Powder</b>	
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII	
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	

### 12.6. Other adverse effects

Additional information : No other effects known

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA

ADR	IMDG	IATA
14.1. UN number		
Not regulated	Not regulated	Not regulated
14.2. UN proper shipping name		
Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)		
Not regulated	Not regulated	Not regulated
14.4. Packing group		
Not regulated	Not regulated	Not regulated
14.5. Environmental hazards		
Not regulated	Not regulated	Not regulated
No supplementary information available.		

### 14.6. Special precautions for user

Special transport precautions : Do not handle until all safety precautions have been read and understood.

#### - Overland transport

Not regulated

#### - Transport by sea

Not regulated

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### - Air transport

Not regulated

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No additional information available

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Relevant EU provisions transposed through retained EU law

#### 15.1.1. EU-Regulations

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

Contains no REACH candidate substance.

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

#### 15.1.2. National regulations

##### United Kingdom

British National Regulations : Not determined.

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Indication of changes:

Section	Changed item	Change	Comments
SDS	SDS update	Modified	V1.1

Abbreviations and acronyms:

	°C – Degrees Celsius
	°F – Degrees Fahrenheit
	ADR – European Agreement concerning the International Carriage of Dangerous Goods by Road.
	ACGIH – American Conference of Governmental Industrial Hygienists
	ATE – Acute Toxicity Estimate
	BCF – Bioconcentration Factor
	BEI – Biological Exposure Index
	CAS – Chemical Abstracts Service
	CLP – Regulation (EC) No 1272/2008 on the Classification, Labeling and Packaging of substances and mixtures.
	CMR – Carcinogen, Mutagen, Reproductive toxin
	cP – centipoise (unit of dynamic viscosity)
	cSt – centistokes (unit of kinematic viscosity)
	DNEL – Derived No-effect Level
	DMEL – Derived Minimal Effect Level
	EC50 – Half maximal effective concentration
	ECHA – European Chemicals Agency
	EC-No. – European Community number
	EU – European Union
	GHS – Globally Harmonized System of Classification and Labelling of Chemicals
	h – Hours
	IATA – International Air Transport Association
	IC50 – Inhibition concentration
	IDLH – Immediately Dangerous to Life or Health
	IMDG – International Maritime Dangerous Goods
	IOELV – Indicative Occupational Exposure Limit Value
	KIFS – Swedish Chemicals Agency's (KemI's) Code of Statutes
	kPa – kilopascal
	Koc – Adsorption Coefficient
	Kow – Octanol-Water Partition Coefficient
	LC50 – Median Lethal Concentration
	LD50 – Median Lethal Dose
	LOAEL – Lowest Observed Adverse Effect level
	mg/l – Milligram per liter
	mg/kg – Milligram per kilogram
	mg/m <sup>3</sup> – Milligram per cubic meter
	Min – Minutes
	NIOSH – National Institute for Occupational Safety and Health
	NOEC – No Observed Effect Concentration
	NO(A)EL – No Observed (Adverse) Effect Level

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	<p>N.O.S. – Not Otherwise Specified          OEL – Occupational Exposure Limit          PBT - Persistent, Bioaccumulative and Toxic          PCN – Poison Centre Notification          PNEC – Predicted No Effect Concentration          ppm – Parts per million          PVC – Polyvinyl chloride          REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006          RID – European Agreement concerning the International Carriage of Dangerous Goods by Rail          SDS – Safety Data Sheet          STEL – Short Term Exposure Limit          STOT – Specific Target Organ Toxicity          SVHC – Substance of Very High Concern (CMR, vPvB, PBT)          TDI – Tolerable Daily Intake          TLV – Threshold Limit Value          TWA – Time Weighted Average          UFI – Unique Formulation Identifier          UN – United Nations          vPvB - Very Persistent and Very Bioaccumulative          WEL – Workplace Exposure Limit          WGK – Wassergefährdungskategorie – German water quality classification</p>
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Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

Full text of H- and EUH-statements:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H272	May intensify fire; oxidiser.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
Ox. Sol. 2	Oxidising Solids, Category 2
Skin Corr. 1A	Skin corrosion/irritation, Category 1, Sub-Category 1A
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Eye Irrit. 2	H319	On basis of test data
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